Figure 1

23 bp Forward primer A
SNP

SNP
21 bp Reverse primer B

genomic template DNA

PCR reaction

23 bp Forward primer A
SNP

SNP
21 bp Reverse primerB

NaOH cleavage

(fragments comprising primer A)

44 bases

25 bases
24 bases

fragments comprising primer B

44 bases

24 bases
23 bases
22 bases

**Neutralization,
Electrophoresis**

**Schematic of the
electrophoretic result**

SNP on -strand

Figure 2

Primer D 26 bases

SNP

Base 27 bases

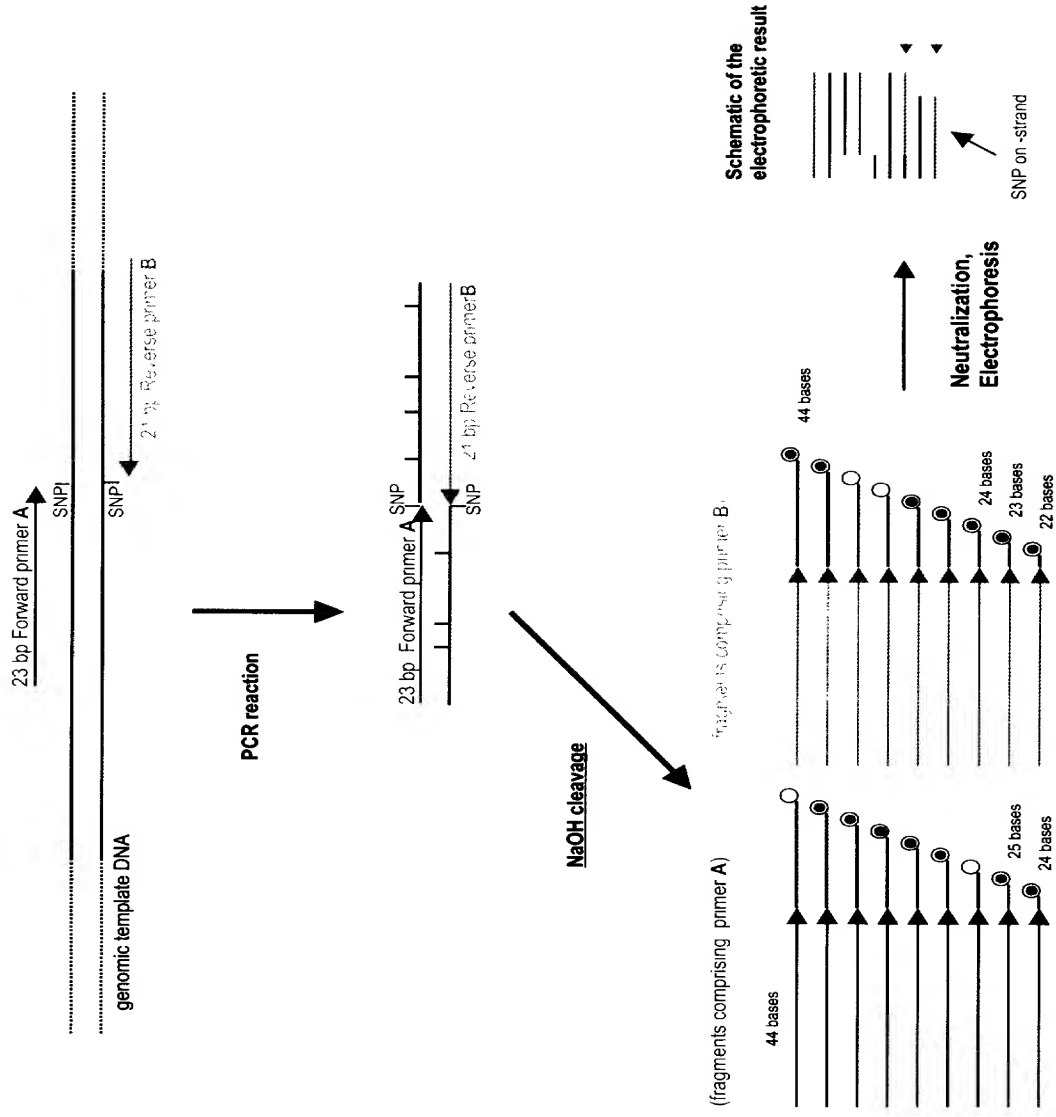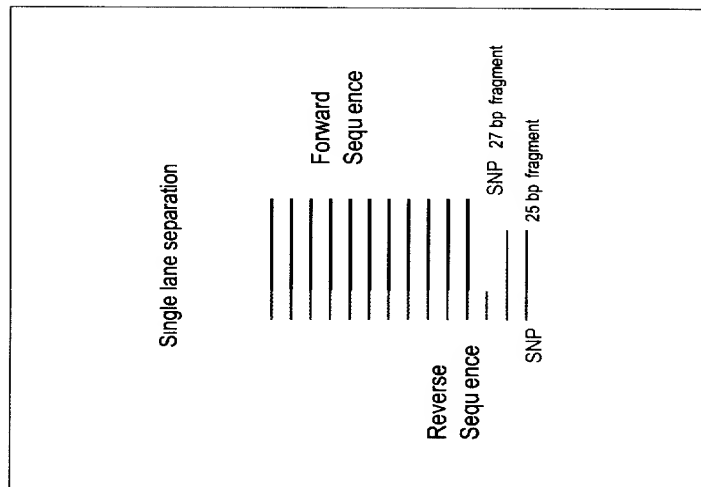Single lane separation

Forward
Sequ ence

Reverse
Sequ ence

SNP 27 bp fragment

SNP

25 bp fragment

Schematic of the
electrophoretic
result.

Figure 3

30 bp "drag"

5 bases

A

Primer F 52 bases

Primer E18 bases

SNP

Schematic of the electrophoretic result

Single lane separation

76 bp fragment

Forward Sequence

53 bp fragment

SNP

45 bp fragment
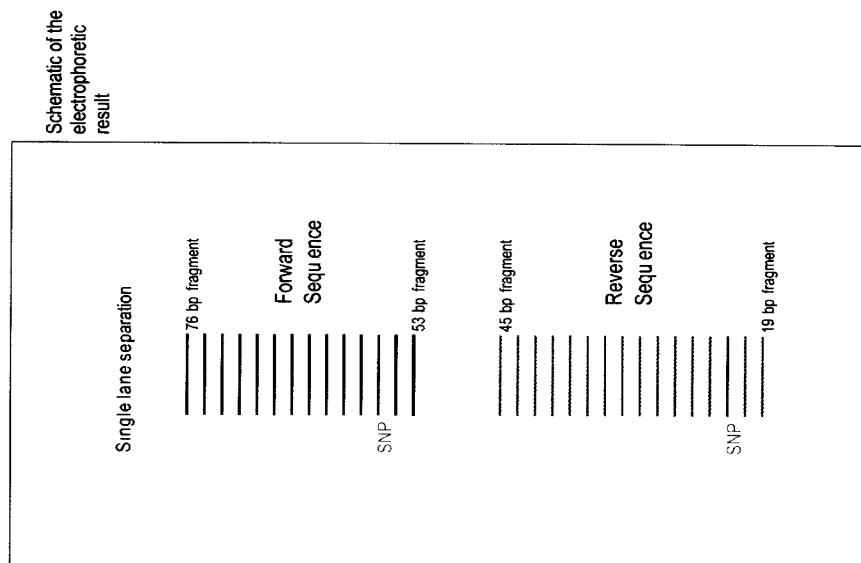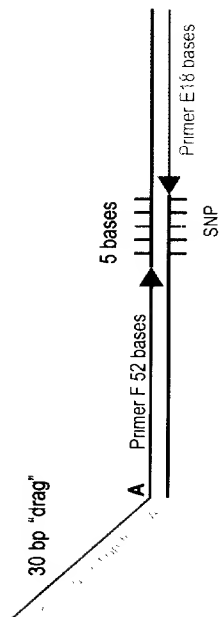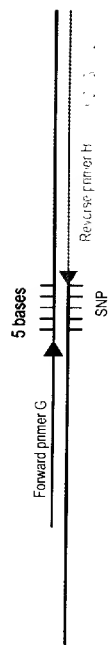
Reverse Sequence

19 bp fragment

SNP

Figure 4

5 bases

Forward primer G

Reverse primer H

SNP

schematic of electrophoresis result

1st lane
Reverse Primer

SNP

2nd lane
Forward Primer

SNP